

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13AB-CA		Page 1 of 10
Title: Specific Requirements for California Finished Drinking Water		
Revision: 3	Replaces: 04/01/02	Effective: 04/01/03

1. Purpose:

To provide a listing of PDP identified required compounds for finished drinking water.

2. Scope:

This standard operating procedure (SOP) shall be followed by the California Department of Food and Agriculture laboratory analyzing finished drinking water samples for PDP.

3. Outline of Procedure:

- 5.1 Compounds Required for California Finished Drinking Water Multiresidue Screen
- 5.2 Marker Pesticides for California Finished Drinking Water Multiresidue Screen

4. References:

- California Department of Food and Agriculture Finished Drinking Water Method Validation, April 2001
 - USDA/AMS-EPA Planning Meeting, March 14, 2001
 - USDA/AMS PDP Quality Assurance(QA)/Technical Meeting, February 21-22, 2001
 - PDP Program Plan January – June 2001
 - Memo from Cathy Eiden, EPA/OPP/HED, to Tom Gilding, ACPA, Follow-up to October 28, 1998, Work Group Meeting
 - PDP/Drinking Water Monitoring Work Group Meeting, October 28, 1998
 - PDP/Drinking Water Monitoring Work Group Meeting, September 8, 1998
 - USGS NAWQA Program Constituents (Occurrence Based)
 - US EPA OGWDW/OW, Regulated Contaminants
 - US EPA OGWDW/OW, Pesticides Considered Occurrence Priorities under the Candidate Contaminant List (CCL)
 - US EPA OGWDW/OW, Pesticides under Unregulated Contaminants Monitoring
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- US EPA OPP Potential PDP List, Scheduled REDs

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5. Specific Procedures:

This standard operating procedure (SOP) represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

5.1 Compounds Required for California Finished Drinking Water Multi Residue Screen

Finished Drinking Water Compound	Pest Code
3-Hydroxycarbofuran	512
Alachlor	227
Atrazine	305
Azinphos methyl	042
Bendiocarb	658
Benfluralin	191
Bifenthrin	930
Captan	011
Carbaryl	102
Carbofuran	180
Carbophenothion	202
Chlordane cis	173
Chlordane trans	172
Chlorfenvinphos (total)	AAK
Chlorpyrifos	160
Chlorpyrifos methyl	235
Chlorpyrifos O-analog	772
Coumaphos	124
Coumaphos O-analog	614
Cyfluthrin	781
Cypermethrin	597
DCPA (Dacthal)	134
DDE p,p'	910

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Finished Drinking Water Compound	Pest Code
DEF (tribufos)	217
Diazinon	024
Diazinon O-analog	395
Dichlorvos (DDVP)	338
Dicofol p,p'	254
Dicrotophos	209
Dieldrin	028
Dimethoate	171
Disulfoton	117
Disulfoton sulfone	216
Diuron	032
Endosulfan I	900
Endosulfan II	901
Endosulfan sulfate	902
Endrin	034
Ethalfuralin	721
Ethion	107
Ethion mono oxon	AAX
Ethoprop	175
Fenamiphos	236
Fenamiphos sulfone	745
Fenitrothion	391
Fenitrothion O-analog	648
Fenthion	177
Fenthion O-analog	691
Fenuron	840
Esfenvalerate + Fenvalerate total	ADE
Fonofos	163
Heptachlor epoxide	143
Imazameth	ABY
Imazamethabenz methyl	753
Imazamox	ACA

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Finished Drinking Water Compound	Pest Code
Imazapyr	ACB
Imazaquin	ACC
Imazethapyr	ACD
Imidacloprid	967
Isofenphos	258
Linuron	129
Malathion	052
Malathion O-analog	208
Methidathion	197
Methidathion O-analog	ACE
Methomyl	159
Methoxychlor p,p'	275
Metolachlor	283
Metribuzin	181
Mevinphos (total)	069
Monuron	046
Myclobutanil	679
Napropamide	594
Neburon	061
Oxamyl	537
Oxychlordane	349
Oxydemeton methyl sulfone	245
Oxyfluorfen	713
Parathion ethyl	065
Parathion methyl	057
Parathion methyl O-analog	779
Parathion O-analog	370
Pendimethalin	230
Permethrin cis	222
Permethrin trans	223
Phorate	148
Phorate O-analog	928

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Finished Drinking Water Compound	Pest Code
Phorate sulfone	189
Phosalone	166
Phosalone O-analog	929
Phosmet	165
Phosphamidon	203
Pirimiphos methyl	562
Profenofos	224
Prometon	942
Prometryn	249
Pronamide	540
Propachlor	675
Propanil	341
Propargite	623
Propetamphos	636
Propiconazole I	ABH
Propiconazole II	ABI
Simazine	149
Sulfotep	311
Sulprofos	609
Sulprofos O-analog	ACQ
Tebupirimphos	A59
Tebupirimphos O-analog	ACR
Tebuthiuron	780
Terbufos	205
Terbufos O-analog	A60
Terbufos sulfone	963
Tetrachlorvinphos	176
Tetradifon	108
Thiobencarb	726
Triadimefon	608
Vinclozolin	529

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5.2 Marker Pesticides for California Finished Drinking Water Multiresidue Screen

3-Hydroxycarbofuran	Carbaryl	Chlorpyrifos
Coumaphos	Dichlorvos (DDVP)	Dimethoate
Ethalfuralin	Methidathion	Methoxychlor p,p'
Oxamyl	Oxyfluorfen	Pendimethalin
Phosalone	Prometon	Propanil

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Revision 3

February 2003

Monitoring Programs Office

- Removed 3-ketocarbofuran, aldicarb sulfone, aldicarb sulfoxide, azinphos (ethyl), methiocarb, and propoxur (process control)
 - Added atrazine, diuron, fenuron, imazameth, imazamethabenz methyl, imazamox, imazapyr, imazaquin, imazethapyr, imidacloprid, linuron, metolachlor, monuron, neburon, permethrin cis, and tebuthiuron
 - Specified chlorfenvinphos as total combined
 - Specified fenvalerate/esfenvalerate to be reported as total
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